

## Page 1 of 1

All amounts are calculated in domestic currency.

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[illegible]



Castle Metals®

BORDEREAU DE MARCHANDISES  
CERTIFICAT DE CONFORMITE

A. M. Castle & Co.

Page 1 of 1

No de Formulaire d'Emballage / Pack Slip No:2316710

<b>Expédié de / Ship From:</b> A. M. Castle & Co. Cleveland 26800 Miles Road Bedford Heights, OH 44146		<b>Vendu à / Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Expédié à / Ship To:</b> METCOR INC. 560 BOUL. ARTHUR-SAUVE SAINT-EUSTACHE, QC J7R 5A8 CA		<b>Livré à / Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA					
<b>Date d'expédition / Date Shipped</b> 16-FEB-2016		<b>F.O.B.</b> ORIGIN		<b>Modalités de transport / Freight Terms</b> Prepaid		<b>Transporteur / Carrier</b> CASTLE NETWORK		<b>No du Bon de connaissance / BOL No</b> 2327334		<b>N° de livraison / Delivery No</b> 120339484	
<b>Détails d'expédition / Shipment Details</b>											
<b>N° de commande / Order No</b> 4240719		<b>N° de ligne Line No</b> 1		<b>N° d'article / Item No</b> 14974.MO		<b>Description</b> 1.3750.RD.17CR-4NI.STAINLESS.CF.SOL.TR.COND.A.132.0000-156.0000 CUT TO 153 IN ( ) - CUT IN 4TH'S SPECIFICATIONS: AMS 5643 Email P/s and certs to: clavoie@dartaero.com					
<b>N° de bon de commande / Purchase Order No</b> 31242		<b>Nbre de pièces / Part Number</b>		<b>Qté commandée / Ordered Qty</b> 1.00 PCS							
<b>Détails / Details</b>		<b>ATTN TOR: SHIP TO METCOR</b> Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS									
<b>Usine / Mill</b> NORTH AMERICAN STAINLESS		<b>No de coulee / Heat Number</b> W8K0		<b>Code mec / Mech Id</b>		<b>Qty or PCS</b> 1		<b>Largeur/ Width (IN)</b>		<b>Longueur/ Length (IN)</b>	
										<b>Qté expédiée / Shipped Qty (LBS)</b> 64.3875	
<small>Nous certifions par la présente que le matériel couvert par cette certification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matériel, y compris toute spécification faisant partie de la description. Les rapports d'essai sont archivés pour fins de consultation. Toute réclamation concernant le matériel défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castle &amp; Co. dans les 60 jours suivant la livraison. Le matériel coupé sur mesure ou coupé par le client ne peut être retourné pour crédit. We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle &amp; Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit. Ce matériel a été reçu et inspecté par Reviewed by Authorized Castle Metals Representative.</small>											
						<b>Date</b> 2/29/2016		<b>Name</b> A. M. Castle & Co.			



162129



NORTH AMERICAN  
STAINLESS

## METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 114899 23 Mail To: A.M. CASTLE AND COMPANY  
1420 KENSINGTON ROAD-SUITE 220  
OAK BROOK IL 60523  
Customer: 0032 005  
NAS Order: LP 40580 1  
Your Order: 356359-1  
Item Code: 14974  
Date: 11/16/2015 Page: 1 Of 1  
Steel: 530(17-4)  
Finish: Cold Finish  
Dia/Thk: 1.3750 in  
Leg Length: 144.00 in  
Corrosion:

### PRODUCT DESCRIPTION:

AMS 2303F,  
Round Bar, Annealed, Smooth Turned, Cold Finished  
UNS S17400, EN 10204 3.1, ASTM A484/11, AMS 2303E  
ASTM A564/13, ASME SA564-07, ASTM F899/11(CHEM ONLY)  
AMS 5643T, MACRO OK, SOL. ANN. 6 1900F FOR 1 HR MIN. AIR COOLED  
H900 MECH. PROPERTIES ARE CAPABILITY ONLY\*

### REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE  
2011/65/EU, ROHS. EAP+AOD+CC. NO WELD REPAIR. MELTED AND MPG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS  
14  
9.00

1603/01

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BH56098	698	BH56121	1592				

### CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/08

Heat	Supplier #	CM	C %	CB %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
W8K0		US	.011	.165	.06	15.13	3.12	.78	.08	.024	4.29	.024
		S %	.0181	.59	.0060	.0020						

### MECHANICAL PROPERTIES

i d	HB	Grain	Ferrite	TS-900CAP	YS-900CAP	EI-900CAP	RA-900CAP	RC-900CAP	FREQ.	SEV.
o i	No.	No.	%	KSI	KSI	% 4D	%	No.	No.	No.
BH56098	R L	321.0	7.0	.40	202.47	182.32	13.13	44.29	42.0	.08
BH56121	R L	321.0	7.0	.40	202.47	182.32	13.13	44.29	42.0	.04

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical  
Dept. Mgr.

*AB Brown*

ABHJEST BHAVE

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M174PH966RL375  
DATE: 16/03/01

MATERIAL CERT REC'D 400  
QUANTITY RECEIVED 12.750  
QUANTITY INSPECTED 12.750  
QUANTITY REJECTED

PO / BATCH NO 31242/134368

THICKNESS ORDERED R 1.375  
THICKNESS RECEIVED R 1.375  
SHEET SIZE ORDERED  
SHEET SIZE RECEIVED

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CERT	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT M# ON THE MATERIAL	Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK	RECORD RESULTS BELOW	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL	SIZE OF TEST SAMPLE	HARDNESS / DUROMETER READING	testers located in the Quality Office		

**CC 18 INSPECTION** ENGINEERING SIGNOFF (if required)

INSPECTED BY: \_\_\_\_\_  
DATE: 16/03/01  
SIGNED OFF BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# PURCHASE ORDER

Purchase Order ID PO31242

Purchase Order Date 2/3/2016

PO Print Date 2/4/2016

Page Number 1 of 3



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

Order From :

VU-MET002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W 0E9  
CANADA

Contact Name  
Vendor Phone

Buyer  
Customer POID

Customer Tax #

10127-2607

Ship To Contact

Terms

Net 30

Ship To Phone

Currency

USD

Ship Acct:

Yours ppd

Destination-Collect

Line	Reference	Description/	Reg Date/	CD	Reg Qty/	Unit of	Measure	PO Unit Price	Extended
Nbr	Vendor Part Number	Line Comments	Promise Date						Price

1	M7075T6B1.500X1.500	7075 T6 BAR 1.500 x 1.500"	2/18/2016	Yes	24.00	f		\$25.50	\$612.00
MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR									
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR									
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE									

2	M7075T6B6.000X1.000	7075-T6 BAR 6.000" X 1.000"	2/18/2016	Yes	12.00	f		\$48.78	\$585.36
MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR									
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR									
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE									

Line Total: \$585.36

Line Total: \$612.00

Note:

2/4/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID PO31242

Purchase Order Date 2/3/2016  
PO Print Date 2/4/2016

Page Number 2 of 3

Order From :

METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W 0E9  
CANADA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone

Ship To Contact  
Ship To Phone  
Ship Via:  
Ship Acct:

Yours ppd

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency USD  
FOB Destination-Collect

M174PH-H900R1.375

17-4 SS H900 ROUND  
BAR 1.375

2/18/2016  
Yes

12.00  
f

\$21.22

\$254.64

MATERIAL: 17-4 PH COND. H900  
AS PER AMS 5643

NOTE:  
PLEASE SHIP ALL MATERIAL TO METCOR INC.  
560 BOULV. ARTHUR SAUVE  
SAINT-EUSTACHE, QC  
J7R-5A8  
450-473-1884

16/2/29  
54

M7075T73B2.500X03.25

7075-T73 Bar 2.50 x 3.25

2/18/2016  
Yes

6.00  
f

\$69.00

\$414.00

MATERIAL: 7075-T73 OR 7075-T7351/T73510/T73511  
BAR AS PER AMS-QQ-A-200/11 PR AMS-QQ-A-225/9  
OR AMS 4124 OR AMS-QQ-A-250/12 AMS 4078

Line Total:

\$414.00

Note:

2/4/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID PO31242  
Purchase Order Date 2/3/2016  
PO Print Date 2/4/2016

Page Number 3 of 3

Order From : VU-MET002  
Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA  
METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W 0E9  
CANADA

Contact Name  
Vendor Phone  
Ship To Contact  
Ship To Phone  
Ship Via:  
Ship Acct:  
Buyer  
Customer POID  
Customer Tax #  
Terms  
Currency  
FOB  
Destination-Collect

5	M7075T6B5.000X0.375	7075-T6 BAR 5.000" X 0.375"	2/18/2016	Yes	24.00	\$20.40	\$489.60
MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE							

6	71401-45	PROCUREMENT QUALITY CLAUSES	2/18/2016	No	1.00	\$0.00	\$489.60
Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality documents							

Line Total:	\$0.00
PO Total:	\$2,355.60

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 2 Change Date: 2/4/2016

## Purchase Order Receipt Listing

Page 1 of 1

Wednesday, March 02, 2016 11:32:21 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO31247 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

[illegible]



# Recu de livraison

Delivery Receipt

BON DE TRAVAIL EXPÉDITEUR	BON D'EXPÉDITION	Shipper
308718	1	108920
Order	Shipper ID	

EXPÉDITION COMPLÈTE / Shipped Complete

LIVRÉ À / Shipped To

DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
Ph: 613-632-5200  
Fax: 613-632-1053



DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
Ph: 613-632-5200  
Fax: 613-632-1053

CLIENT / Customer 215

560 BOUL. ARTHUR-SAUVÉ  
ST-EUSTACHE, QC J7R 5A8  
Tel: 450-473-1884 / Fax: 450-491-5498

COMMANDE DU CLIENT	BON DE LIVRAISON DU CLIENT	TYPE DE MATÉRIEL	DATE DE LA COMMANDE	CARRIER
Customer PO	Customer Shipper No.	Material Type	Order Date	Carrier
31247		17-4PH	2016/2/18	fed
QUANTITÉ	No. PIÈCE	DESCRIPTION DE LA PIÈCE / NOM DE LA PIÈCE		
Quantity	Part No.	Part Name	Part Description	POIDS
4	71425-30			63,88
(4) BARS				
71425-30				

1 NIL

TYPE DE CONTENEUR

# DE CONTENEURS

COMMENTAIRES CONTENEUR

Container Type

# Of Containers

Container Comments

NIL

1

CERTIFICAT

EMPAQUETAGE	Packing
-------------	---------

QUANTITÉ EXPÉDIÉE / Quantity Shipped: 4

POIDS EXPÉDIÉ / Weight Shipped: 63,88

QUANTITÉ RESTANTE / Quantity Remaining: 0

POIDS RESTANT / Weight Remaining: 0,00

CERTIFICAT

QUANTITÉ EXPÉDIÉE / Quantity Shipped: 4

POIDS EXPÉDIÉ / Weight Shipped: 63,88

Date:

Signature:

EXPÉDIÉ LE / Shipped On: 2016/02/19

F-050-06 Rev. B

# METCOR INC.

560 BOUL. ARTHUR-SAUVE, ST-EUSTACHE, QC, J7R 5A8

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498

Télécopieur / Fax production: 450 491-6454

CLIENT / customer 215

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY

ON K6A 1K7

LIVRÉ A / shipped to:

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY

ON K6A 1K7

BON DE TRAVAIL	308718
CHARGEMENT	1

Rapport d'Inspection  
Inspection Report

COMMANDE DU CLIENT	BON DE LIVRAISON DU CLIENT	MATÉRIEL	MAÎTRE D'OEUVRE	PROGRAM
customer po	customer shipper no.	material	prime contractor	
31242		17-4PH		
<p>AGE HARDEN CONDITION H 800 SAE AMS 2759/3 REV.F</p> <p>processing specifications DAS 14 16/03/01</p> <p>9-09</p>				

EXIGENCE / requirement				
SPECIFICATIONS / specified TESTS EXÉCUTÉS / performed				
RESULTS DE TESTS / results				
HARDNESS	40 - 47 HRC	4	43 - 44 HRC	

QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description	1 NIL 71425-30 (4) BARS 71425-30
4	63.88		

COMMENTAIRES / comments

APPROUVÉ par / Approved by:



DATE: 2016-02-19

# METCOR INC.

560 BOUL. ARTHUR-SAUVÉ, ST-EUSTACHE, QC, J7R 5A8

Tel.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498

Télécopieur / Fax production: 450 491-6454

BON DE TRAVAIL	308718
CHARGEMENT	1

Detailed Certificate of Compliance

LIVRÉ À / shipped to:

DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY

ON K6A 1K7

CLIENT / customer 215

DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY

ON K6A 1K7

COMMANDE DU CLIENT	customer po	31247
BON DE LIVRAISON DU CLIENT	customer shipper no.	
MATÉRIEL	material	17-4PH
MAÎTRE D'OEUVRE	prime contractor	
PROGRAM		

## SPÉCIFICATIONS DU PROCÉDÉ

processing specifications

AGE HARDEN

CONDITION H 900

SAE AMS 2759/3 REV.F

EXIGENCE / requirement	SPÉCIFICATIONS / specified TESTS EXÉCUTÉS / performed	RÉSULTATS DE TESTS / results
HARDNESS	40 - 47 HRC	43 - 44 HRC

QUANTITÉ	quantity	4
POIDS	weight	63.88
DESCRIPTION DES PIÈCES	parts description	71425-30 (4) BARS 71425-30 1 NIL

## COMMENTAIRES / comments

AGE HARDEN 900F, 1 HR

Le traitement thermique (TT) a été fait en utilisant des équipements en conformité avec AMS2759 et AMS 2750. Le TT a été fait tel que requis par AMS2759 et toutes les vérifications et les tests demandés ont été faites et documentés. Aucun changement n'a été faite par rapport au TT. On certifie que le matériel a été fabriqué, échantillonné, testé et inspecté en accord avec AMS2759 et le bon de commande et le matériel rencontre les exigences spécifiées.

Heat treatment (HT) was performed with equipment that meets the requirements of AMS2759 & AMS2750. All HT operations were in compliance with AMS2759 and all verifications have been performed and documented. No unauthorized changes were performed in regards to the HT. We certify that the material was manufactured, sampled, tested and inspected in accordance with AMS2759 and the purchase order and was found to meet the requirements.

APPROUVÉ par / Approved by:

Isabel Otero  
QA Technician

DATE: 2016-02-24



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO31247

Purchase Order Date 2/3/2016 3:14:33 PM  
PO Print Date 3/2/2016

Page Number 1 of 2

### Order From :

VC-MET004

Ship To : DART AEROSPACE LTD

METCOR INC.  
560 BOUL. ARTHUR SAUVE  
SAINT-EUSTACHE, QC J7R 5A8  
CANADA  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7

### Contact Name

450 473 1884

Vendor Phone

### Ship To Contact

Ship To Phone

Ship Via:

TST Overland

Ship Acct:

FCA - (Free Carrier)

FOB

Currency

CAD

Terms

Net 30

10127-2607

Customer Tax #

Customer POID

Buyer

Chantal Lavoie

Line	Reference	Vendor Part Number	Line Comments	Delivery Comments
Nbr				
Extended Price	PO Unit Price	Reg Qty/ Unit of Measure	Reg Date/ Taxable CD	Promise Date

1	71425-30	HEAT TREAT	3/2/2016	1.00	\$222.00
---	----------	------------	----------	------	----------

MATERIAL TO H900

3/2/2016

Yes

Each

17-4 PH ROUND BAR 1.375" SENT FROM METAUX

CASTLE P/O:31242

FINISH:

HEAT TREAT TO COND H900

FTU IN EXCESS OF 170KSI

PER AMS2759/3

DETAIL C OF C REQUIRED

PLEASE ADVISE PRICE \$\$\$\$\$\$ FOR LOT

Line Total:

\$222.00

Note:

3/2/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO31247

Purchase Order Date 2/3/2016 3:14:33 PM  
PO Print Date 3/2/2016

Page Number 2 of 2

### Order From :

VC-MET004

Ship To : DART AEROSPACE LTD

METCOR INC.  
560 BOUL. ARTHUR SAUVE  
SAINT-EUSTACHE, QC J7R 5A8  
CANADA  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7

Contact Name

Vendor Phone 450 473 1884

Ship To Contact

Ship To Phone

Ship Via:

TST Overland

Ship Acct:

FOB

FCA - (Free Carrier)

Currency

CAD

Terms

Net 30

Customer Tax #

10127-2607

Customer POID

Chantal Lavoie

Buyer

2 71401-45 PROCUREMENT 2/26/2016 1.00 \$0.00

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A020 non-destructive test/inspection identification  
A021 dart aerospace processing  
A024 process certifications  
A026 certification of material conformance

Line Total:

\$0.00

PO Total:

\$222.00

Change Nbr: 4

Change Date: 3/2/2016

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

CA